Exhibit 2

Page 1

UNITED STATES DISTRICT COURT SOUTHERN DISTRICT OF NEW YORK

IN RE: METHYL TERTIARY BUTYL ETHER ("MTBE")
PRODUCTS LIABILITY LITIGATION
Master File C.A. No. 1:00-1898(SAS) MDL 1358

This Document Relates to:

ORANGE COUNTY WATER DISTRICT v. UNOCAL CORPORATION, et al., Case No. 04 CIV.4968 (SAS)

-- -- --

SATURDAY, JANUARY 21, 2012

-- -- --

Videotaped Deposition of GRAHAM E. FOGG, Ph.D., Expert Witness, held at the Law Offices of Latham & Watkins, 505 Montgomery Street Street, Suite 1900, San Francisco, California, beginning at 9:03, before Sandra Bunch VanderPol, FAPR, RMR, CRR, CSR #3032

__ __ __

GOLKOW TECHNOLOGIES, INC. 877.370.3377 ph | 917.591.5672 fax Deps@golkow.com

	Page 58		Page 60
1	County Water District lawsuit?	1	was in other expert reports, have you done any
2	MS. O'REILLY: Vague and ambiguous.	2	analysis of any individual gasoline site in this
3	THE WITNESS: No.	3	case?
4	BY MR. JON ANDERSON:	4	A. No.
5	Q. Are you working with Mr. Miller's	5	Q. Have you looked at any specific well
6	firm on any other Orange County Water District cases?	6	locations of the wells that are involved in this
7	A. Yes.	7	case?
8	Q. And has that case or cases have	8	A. Well, I've made
9	those taken you away from your student teaching	9	MS. O'REILLY: Vague and ambiguous.
10	duties?	10	THE WITNESS: I've made maps of
11	A. I have managed my time so that they	11	monitoring
12	haven't. But, you know, I'm careful to make sure	12	BY MR. JON ANDERSON:
13	that the students and the university duties are	13	Q. Have you looked at
14	getting due attention.	14	A well data that include MTBE, as
15	Q. Has your appearance at depositions in	15	well as other compounds. So many of those monitoring
16	this or in any other MTBE case ever interfered with	16	wells are from the site investigations.
17	your teaching duties?	17	Q. Have you looked at the sites or, for
18	MS. O'REILLY: Objection. Vague and	18	example, pumping information of any of the drinking
19	ambiguous. Overbroad.	19	water wells that are involved in this case?
20	THE WITNESS: Well, I have made I've had	20	MS. O'REILLY: Vague and ambiguous.
21	makeup lectures in the cases where they have	21	THE WITNESS: Have I looked at the data from
22	interfered, and I have innovated with putting up	22	the drinking water wells; is that again, is that
23	video lectures for my students when I cannot be	23	the question?
24	present. But even that has its limits, in my mind,	24	BY MR. JON ANDERSON:
25	in terms of what's a legitimate way to backfill for	25	Q. Well, that wasn't what I said, but I
	Page 59		Page 61
1	those times when I have when I have to be away.	1	will start with that since it sounds like you will be
2	And there's other things that take me out of	2	able to answer it. Have you?
3	town that are university business. So, you know,	3	A. Yes.
4	it's professors do have to manage these kinds of	4	Q. And for what purpose?
5	scheduling quirks. But it's I am aware that there	5	A. To look at data on occurrence of MTBE
6	are times when defense attorneys want to conduct	6	in the system using as many different kinds of well
7	multiday, perhaps even multiweek deposition.	7	data as we can get our hands on.
8	BY MR. JON ANDERSON:	8	Q. And that review of that data has
9	Q. Have you ever participated in a	9	taken place between 2009 and today?
10	multiweek deposition?	10	A. Yes.
11	A. More than a week, I have.	11	Q. Okay. And when you looked at that
12	Q. Which case was that?	12	data for the drinking water wells, did you find any
13	A. Tahoe.	13	wells with as much as a half a part per billion in
14	Q. Was that your first deposition in an	14	them currently?
15	MTBE case?	15	MS. O'REILLY: Asked and answered.
16	A. Yes.	16	THE WITNESS: Currently, I'm not sure what
17	Q. Were you asked to do any	17	the concentrations are.
18	site-specific work in this case?	18	BY MR. JON ANDERSON:
19	A. No.	19	Q. Did you meet with any owners or
20	Q. Do you know what sites are involved	20	operators of drinking water wells in Orange County?
21	in this case?	21	A. Well, my staff and I have been in
22	A. I you know, I've looked at some of	22	contact with Orange County Water District.
23	the site data from that have been written up in	23	Q. Orange County Water District is
		24	a atrially, mat an arriva an amount on of displains residen
24	other expert reports.	24	actually not an owner or operator of drinking water

16 (Pages 58 to 61)

Page 78 Page 80 1 have some definition for this case, do you have an 1 opinion of that nature. 2 opinion in this case with respect to any of the 2 BY MR. JON ANDERSON: 3 3 34 focus stations that that station or more than one Q. Are you offering any opinion from 4 which you expect the listener to conclude that there 4 station has an inadequate monitoring well network? 5 A. My opinion is of the sites as a 5 are problems with the extent of the monitoring well 6 6 whole, based on what I just said. networks at any or all of the stations involved in 7 Q. Okay. I'm not sure what you mean by 7 this case? 8 8 "the sites as a whole." MS. O'REILLY: Argumentative. Misstates 9 A. The collection of sites in the --9 testimony. 10 Do you believe that the 34 stations 10 THE WITNESS: I think I've already given the 11 are all part of a unified need for a monitoring 11 opinion on the adequacy of the monitoring networks -BY MR. JON ANDERSON: 12 12 network? 13 MS. O'REILLY: Vague and ambiguous. 13 Q. You told me that --14 THE WITNESS: No, I don't think that's what A. -- that they are typical of what is 14 done at gasoline release sites, in that -- and we can 15 I said. 15 BY MR. JON ANDERSON: 16 16 argue about why people do it this way, but I see it 17 17 over and over again. They are typical in that the Q. Okay. So are there any of the 34 stations in this case that you have an opinion has an 18 well placements are not enough, not enough wells, not 18 inadequate monitoring well network? far enough from the source, and not deep enough. 19 19 MS. O'REILLY: Misstates testimony. 20 20 Q. Okay. 21 21 A. And I'm -- I don't need to have an Argumentative. 22 22 encyclopedic knowledge of what's done at each site to Go ahead. 23 23 know that the way most of these sites has been THE WITNESS: As I said earlier, I have not 24 investigated specific sites and provided a specific 24 handled is typical, in that there's not enough data 25 25 to track the off-site movement of the plume, and the opinion on adequacy of monitoring at specific sites. Page 79 Page 81 1 But from what I see, what I see that's been 1 plumes in many cases are clearly moving on. 2 applied to these sites, the monitoring networks are 2 Q. Okay. If you believe that one or 3 typical in their inadequacy to define the lateral and 3 more of the stations here is typical and, therefore, 4 vertical movement of MTBE. 4 inadequate, let's just go down the list. 5 5 BY MR. JON ANDERSON: Let's just start. Pick out any station. 6 Q. Okay. So you believe that one or 6 Give me one that's inadequate? 7 more of the sites has what you call a typical and 7 A. I am not --8 inadequate monitoring network to define the lateral 8 MS. O'REILLY: Object --9 THE WITNESS: I'm not providing an opinion 9 and vertical extent of MTBE? 10 10 A. Pretty much most of them -on that. BY MR. JON ANDERSON: 11 Okay. 11 Q. -- are inadequate. 12 12 A. Q. Okay. Not providing opinion that any 13 Q. All 34? 13 station of the 34 has an inadequate monitoring 14 14 network for monitoring MTBE, right? That's for somebody else to opine on. 15 That's not -- that's not --15 MS. O'REILLY: Objection. Misstates 16 Q. I'm trying to find out what you're 16 testimony. Argumentative. Purposely misstates 17 going to say here. 17 facts. 18 A. I've already --18 Go ahead. 19 19 THE WITNESS: That's mischaracterizing what Q. Are you going to opine that any one 20 or more of the 34 sites has an inadequate monitoring 20 I said. And, Jon, I don't know how else to say it to 21 well network with respect to MTBE? 21 BY MR. JON ANDERSON: 22 MS. O'REILLY: Asked and answered. 22 23 23 Argumentative. Q. Well, let's just make it very, very 24 Go ahead. 24 fundamental. 25 THE WITNESS: I am not offering a specific Dr. Fogg, do you have an opinion with

21 (Pages 78 to 81)

Page 90 Page 92 1 months. So -- but I -- I don't need to have looked 1 Overbroad. 2 at the site data in the last 10 months or 12 months 2 THE WITNESS: I -- my opinions are not that 3 or 24 months to -- to know that, you know, the way 3 specific. that these sites have been characterized is 4 4 BY MR. JON ANDERSON: 5 inadequate to determine the position of the MTBE 5 Q. Are your opinions confined to the 6 6 plumes laterally and vertically. 34 stations or are your opinions broader than the 7 The nature of my opinion it's about, you 7 34 stations as potential sources of MTBE 8 know, the way the compound has been monitored and the 8 contamination? 9 way the monitoring networks have been constructed and 9 MS. O'REILLY: Vague and ambiguous. 10 conducted. 10 THE WITNESS: My opinions apply to both the 11 BY MR. JON ANDERSON: 11 34 and to the broader picture as well. 12 Q. But, as you sit here today, you can't 12 BY MR. JON ANDERSON: 13 identify a single station that fits into that 13 Q. Okay. So let's focus on the 34. In 14 category, right? your opinion -- we will start collectively. 14 A. Well, if you want to put forth a 15 15 The collective 34 stations involved in this single station with data, we could discuss it, and I 16 16 case, do they present a short- or long-term threat of 17 could explain to you why the monitoring well network 17 MTBE contamination to any drinking water wells in 18 is problematic. 18 Orange County Water District? 19 Q. I'm here to get your opinions. And 19 MS. O'REILLY: Vague. Ambiguous. 20 I'm asking you if you can identify a single station 20 Overbroad. 21 where you believe that the monitoring well network is 21 THE WITNESS: Yes. 22 problematic or inadequate? 22 BY MR. JON ANDERSON: 23 A. Well, if you want to provided me with 23 Q. Okay. Which of the 34 goes into that 2.4 the data --24 threat? Which of those presents a threat? 25 MS. O'REILLY: Asked --25 MS. O'REILLY: Objection. Misstates --Page 91 Page 93 BY MR. JON ANDERSON: 1 1 purposefully misstates testimony. Argumentative. 2 Q. That's not my job. 2 Go ahead. 3 A. -- I can identify stations. 3 THE WITNESS: My -- my opinion is not that 4 MS. O'REILLY: Asked and answered. 4 specific. 5 BY MR. JON ANDERSON: 5 BY MR. JON ANDERSON: 6 Q. Dr. Fogg, you've been retained and 6 Q. Are you able to tell me whether or 7 you've been put forth as an expert in this case, and 7 not some of the 34 stations do not pose a threat of 8 8 MTBE contamination to a well in Orange County Water I'm trying to find out your opinions. 9 9 Do you have an opinion with respect to any District? 10 MS. O'REILLY: Misstates testimony and 10 identifiable station of the 34 that are involved in opinions. 11 this case that that station has an inadequate 11 12 12 monitoring network for MTBE? Go ahead. THE WITNESS: No. 13 MS. O'REILLY: Asked and answered. Abusive. 13 14 BY MR. JON ANDERSON: 14 Misstates his testimony purposefully. Misstates the 15 scope of his opinion purposefully. Harassing. 15 Q. Okay. Your opinion would be --16 you're saying two levels. 16 Answer again. 17 THE WITNESS: I can't answer any other way. 17 One level is that the 34 taken together pose 18 MR. JON ANDERSON: Okay. 18 a threat; the other is that those 34 stations, plus a 19 Q. Do you have an opinion, Dr. Fogg, 19 broader collection of sites, poses a threat, right? that MTBE from any of the 34 stations in this case 20 2.0 MS. O'REILLY: Misstates testimony. 21 poses a short- or long-term threat of MTBE 21 Go ahead. 22 22 THE WITNESS: Yes. The 34 plus a broader contamination to any particular well in Orange County 23 Water District? 23 set of sites are potential sources of contamination. BY MR. JON ANDERSON: 24 MS. O'REILLY: Purposefully misstates 24 25 testimony, opinions, and report. Vague. Ambiguous. Q. Okay. And do you know how many

24 (Pages 90 to 93)

Page 94 Page 96 1 potential sources exist as part of your broader 1 predecessor company called Tosco. Do you remember 2 opinion on top of those 34? 2 that company? MS. O'REILLY: Vague. Ambiguous. Overbroad 3 3 A. Yes. 4 as to "potential source." 4 Q. And they are generally associated 5 Go ahead. 5 with the 76 brand in terms of gasoline stations. Is THE WITNESS: I believe in my report 6 that something you're generally familiar with? 6 7 there's -- there are some numbers on -- you know, 7 MS. O'REILLY: Objection. Assumes facts. 8 total number of underground tank sites that, you 8 THE WITNESS: Yes. 9 know, are potential sources. So, you know, it's --9 BY MR. JON ANDERSON: 10 BY MR. JON ANDERSON: 10 Q. Okay. And among the 34 stations that 11 Q. It would be hundreds, right? 11 are part of this case, there are some 76 stations. 12 A. Or thousands. 12 Did you notice that? 13 Or thousands? 13 A. You know, I don't recall exactly 14 Yeah. 14 which stations are part of the -- on the list of 34, A. All right. And the 34 is a subset of but, yeah, it wouldn't surprise me. 15 15 that hundreds or thousands of potential sources, Q. Can you tell me, with respect to any 16 16 17 right? 17 of the 76 stations -- I'm talking about the brand they carry -- whether any of those stations poses a 18 A. 18 19 Can you quantify between the 34, on threat of MTBE contamination to any particular wells O. 19 20 one hand, and the X minus 34, on the other hand, as 20 within the Orange County Water District? to the relative contribution to the threat? 21 MS. O'REILLY: Exceeds the scope of his 21 22 MS. O'REILLY: Misstates testimony. Vague. 22 opinions. Purposefully misstates his report. Vague. 23 Ambiguous. Overbroad. Purposefully misstates his 23 Ambiguous. Overbroad. 24 opinion. 24 THE WITNESS: That's beyond the scope of my 25 Go ahead. 25 opinions. Page 95 Page 97 THE WITNESS: I cannot quantify that right 1 1 BY MR. JON ANDERSON: 2 now. It possibly could be done. But that hasn't 2 Can you tell me the identity of any 3 been part of my --3 of the 34 stations involved in this case where you 4 BY MR. JON ANDERSON: 4 have formed an opinion that at least that particular 5 Q. Do you know whether the 34 stations 5 station poses a threat to a drinking water well or 6 on an average basis, a per capita basis, pose a 6 more than one drinking water well within Orange 7 greater threat than the average threat of the other 7 County Water District? 8 hundreds or thousands of sites in Orange County that 8 MS. O'REILLY: Purposefully misstates the 9 you believe pose a threat? 9 scope of his opinions. Vague. Ambiguous. 10 MS. O'REILLY: Vague. Ambiguous. 10 Overbroad. 11 Overbroad. Purposefully misstates testimony. 11 THE WITNESS: Well, given that all of the THE WITNESS: I don't know that the 34 would 12 12 focus sites are potential sources of MTBE into the 13 be greater or lesser effect. 13 greater groundwater system, and given that about BY MR. JON ANDERSON: 14 14 98 percent of the groundwater recharged into the 15 Q. Okay. Do you have any knowledge 15 system exits by well, then all of those sites about how the 34 sites were selected? potentially can contaminate public supply wells. 16 16 17 17 MS. O'REILLY: And I'm going to instruct the But the specific supply wells connected to 18 witness not to answer to the extent he would reveal 18 specific sites, again, is beyond the scope of my 19 any attorney-client privileged communication. 19 testimony. THE WITNESS: I don't know how they were 20 20 BY MR. JON ANDERSON: 21 selected. 21 Q. I understand the term "potential," 22 BY MR. JON ANDERSON: 22 but I think I heard within that last answer that you 23 Q. I represent a company called 23 don't have an opinion that any particular station 24 ConocoPhillips. And ConocoPhillips's business within 24 itself poses a threat to any one or more Orange

County drinking water wells, right?

California, certainly in the 1990s, would have been a

25

Page 98 Page 100 1 MS. O'REILLY: Misstates testimony. 1 A. On --2 2 MS. O'REILLY: Vague. Ambiguous. Vague --3 3 Overbroad. Misstates testimony. THE WITNESS: If you --4 MS. O'REILLY: -- ambiguous. Overbroad. 4 Go ahead. 5 Argumentative. 5 THE WITNESS: Yes. And that's -- that's 6 6 stated in my reports that there is remediation that Go ahead. 7 THE WITNESS: If you mean that I don't have 7 is cutting down on the source concentrations on-site 8 an opinion that a specific contaminant site can be at these sites. 9 anticipated to contribute MTBE to a specific water 9 BY MR. JON ANDERSON: 10 supply well or wells, that's correct, that my opinion 10 Q. Okay. And do you also give some 11 11 credit to the men and women at the Orange County is not that specific. 12 BY MR. JON ANDERSON: 12 Health Care Agency and the Santa Ana Regional Water 13 Q. Were you instructed, as part of your 13 Quality Control Board for their efforts in overseeing engagement in this, case that you did not need to 14 the remediation activities at various sites in Orange 14 15 focus on particular stations or particular defendants 15 County Water District? 16 16 MS. O'REILLY: Vague. Ambiguous. in forming your opinions? 17 MS. O'REILLY: Vague and ambiguous. 17 Overbroad. Overbroad. And potentially calls for attorney-client 18 THE WITNESS: Well, in my opinion, I don't 18 19 privileged communication. 19 give specific credit. But --20 Go ahead. 20 BY MR. JON ANDERSON: 21 THE WITNESS: I didn't receive specific 21 Q. I'm not asking about your written 22 22 report. I'm asking you if you give credit to those instructions like that. The -- the agreement was to 23 provide investigation and opinions on the topics that 23 people who work in those agencies and who oversee the 24 I -- we laid out in the first half hour here. 2.4 remediation efforts of the -- those who are working 25 25 at the individual stations for reducing the magnitude /// Page 99 Page 101 1 BY MR. JON ANDERSON: 1 of the problem? 2 Q. Now, when we -- we talked about 2 MS. O'REILLY: Same objection. Overbroad. 3 3 alternative hypotheses on the reasons for the Vague and ambiguous. Misstates testimony. 4 monitoring wells going down in number and going down 4 Go ahead. 5 in concentration for MTBE. One of the potential 5 THE WITNESS: Well, certainly, in my -- I 6 contributors to that trend that we haven't talked 6 give credit to them. I also can empathize with their 7 about is station remediation activities. 7 predicament for the difficulty of staying on top of 8 Now, in your opinion, do station remediation 8 large caseloads with inadequate data to define what's 9 9 activities sometimes reduce the mass of MTBE in the going on. 10 subsurface? BY MR. JON ANDERSON: 10 11 A. Yes. And that's -- that's in my 11 Q. You say "inadequate data." Are you opinion reports, and I neglected to mention that one. 12 referring to the monitoring well networks? 12 13 But that's the other reason that concentrations have 13 A. Yes. 14 gone down on-site. Those -- those remediation 14 Okay. Have you ever contacted either 15 activities are local to the site as -- and certainly 15 of the agencies that I just mentioned to give them 16 many of the decreases in monitoring well 16 the benefit of your expertise on how they could do a 17 concentrations are due to those activities. And in 17 better job getting, perhaps, something called 18 my opinion reports, it's a dual explanation. 18 "adequate data"? 19 Q. So you do --19 MS. O'REILLY: Objection. Misstates A. It's primarily off-site migration and 2.0 20 testimony. Argumentative. 21 local remediation activities. 21 Go ahead. 22 22 Q. So you do give credit to the efforts THE WITNESS: Well, if my job were to be a 23 of the men and women who work on these remediation 23 cooperative extension specialist at U.C. Davis, then 24 projects that they actually are having a positive 24 it might make sense for me to spend much of my time 25 impact on -- on dealing with the problem, right? going around the state giving workshops to all the

26 (Pages 98 to 101)

Page 110 Page 112 1 network, then -- then that would indicate that people 1 BY MR. JON ANDERSON: 2 are -- the companies are already doing as much as 2 Q. Are there any specific sites where 3 3 they can or as much as should be done to protect the you have the opinion that the MTBE mass has migrated 4 beyond the monitoring well network? 4 groundwater resources. 5 5 BY MR. JON ANDERSON: MS. O'REILLY: Asked and answered multiple 6 6 Q. My question is a little bit different times. Argumentative. Abusive. 7 7 Go ahead. than that. And I'm focusing on the 34 stations that 8 8 THE WITNESS: That's beyond the scope of my are part of this case. 9 Do you have an opinion that something more 9 testimony. 10 than local site cleanup is needed with respect to all 10 BY MR. JON ANDERSON: 11 or any of those stations? 11 Q. I don't know what that means. I have 12 MS. O'REILLY: Objection. Misstates 12 asked you questions about the adequacy of the 13 testimony. Misstates reports. Exceeds the scope of 13 monitoring well networks. I haven't asked you about 14 mass migrating from these stations. 14 designation. 15 THE WITNESS: My opinion is not with respect 15 And you've testified in a broad sense that you believe that there's MTBE contamination that is 16 to specific stations. But my opinion is that there 16 17 is significant MTBE mass beyond the monitoring well 17 migrating beyond the monitoring well networks. And all I'm trying to do is find out if you can tell me 18 networks, and what one chooses to do about that is 18 19 19 if that condition exists at any particular station. dependent on other factors that are not part of my 20 scope of work or my opinions. 20 A. Well, the adequacy of the 21 So you either try and clean up the 21 monitoring --22 22 contamination before it gets to supply wells or you Q. No, that's not my question. 23 clean it up at the supply wells or you find another 23 A. -- is -- that I -- we have talked 24 source of water. Right. 24 about before, is the same thing as the -- this aspect 25 25 of mass migrating off-site. So, basically, there's three choices. Those Page 111 Page 113 are logistical and economic choices that I am not --1 1 If the monitoring well is inadequate, that 2 you know, not the one to decide how -- you know, 2 means that it's not adequate to show where the mass 3 3 is beyond the existing monitoring well networks. which -- which path or paths to take. 4 4 BY MR. JON ANDERSON: So --5 Q. I understand this concept, Dr. Fogg. 5 Q. At which of the 34 sites, if any, do 6 you have an opinion that a significant MTBE mass has 6 A. -- so, therefore, inadequacy of 7 migrated beyond the monitoring well network? 7 monitoring networks means that mass has moved beyond 8 MS. O'REILLY: Misstates opinions. 8 those networks. 9 Purposefully misstates opinions. Vague. Ambiguous. 9 Q. You know that doesn't follow, 10 10 Overbroad. Dr. Fogg. MS. O'REILLY: Hold on. 11 THE WITNESS: I have already answered. 11 12 BY MR. JON ANDERSON: 12 BY MR. JON ANDERSON: 13 Q. I haven't asked that question before. 13 Q. The fact that I have an inadequate So I don't know how you could have answered it. 14 measuring device doesn't mean that the event has 14 15 MS. O'REILLY: Same objections. 15 occurred. It simply means I'm not able to tell if it BY MR. JON ANDERSON: 16 has or not. 16 17 17 Q. Do you have an opinion that at one or A. Not --18 more of the 34 sites that a significant MTBE mass has 18 MS. O'REILLY: Object -- hold on. 19 migrated beyond the monitoring well network? 19 First of all, you need to let him finish his MS. O'REILLY: Same objections. 20 20 answer. You're interrupting him in the middle of his 21 THE WITNESS: My opinion is that at most of 21 answer. Your abusive tone. Argumentative. Just 22 the sites MTBE has migrated beyond the monitoring 22 because you don't like his answer doesn't mean you 23 network because the monitoring networks are small 23 need -- you need to speak to him in that tone or 24 relative to the typical footprint of MTBE plumes. 24 manner. He's trying to answer your question. 25 25 Go ahead.

Page 116 Page 114 1 MR. JON ANDERSON: Let's get some foundation 1 MS. O'REILLY: Objection. Misstates 2 here, then. 2 testimony. Argumentative. 3 3 Q. Is it your expert view, Dr. Fogg, THE WITNESS: Specifics -that the absence of an adequate monitoring well 4 4 MS. O'REILLY: Hold on. 5 network necessarily means that MTBE has migrated 5 And it's been asked and answered multiple 6 6 times. It's vague. Ambiguous. Overbroad. off-site? 7 MS. O'REILLY: Misstates testimony. 7 Go ahead. 8 8 THE WITNESS: Opinions on specific stations Go ahead. 9 THE WITNESS: Yes. If the monitoring well 9 and plumes are beyond the scope of my opinions and 10 network is inadequate and there's MTBE in the distal, 10 testimony. 11 the most distal wells, and the end of the MTBE plume 11 BY MR. JON ANDERSON: 12 has not been found -- or like in many MTBE plumes, 12 Q. And I want to make sure there's no 13 the plumes are complex, with multiple bifurcating 13 doubt about what you mean by that statement. Is 14 plumes, perhaps, which can happen, and you're trying 14 there any station among the 34 where you have formed 15 to define that with a handful of wells, yeah, it's the opinion that MTBE has migrated off-site? 15 16 inadequate. 16 A. My opinion is that --17 We know from the behavior of the chemical 17 MS. O'REILLY: Same objections. 18 that it can move quite extensively. We have data THE WITNESS: -- it's migrated off-site at 18 from other systems on big plumes. There are systems 19 19 most of them. 20 in California that indicate big plumes. There's 20 BY MR. JON ANDERSON: 21 systems in Orange County where I've seen, you know, 21 Q. I have heard that. Is there any 22 plumes on the order of thousands of feet, up to a 22 identifiable station where you have formed that 23 23 opinion? 2.4 But, again, my testimony is not on specific 24 MS. O'REILLY: Same objections. Asked and 25 sites and specific plumes. It's more of a general 25 answered. Argumentative. Page 115 Page 117 THE WITNESS: Same answer. I mean, I could 1 characterization of, you know, how the chemical has 1 2 been dealt with and where -- what's likely happening 2 look at the site data again and give you some site 3 3 to the MTBE in the system now. names. But, again, that's not -- that is not 4 BY MR. JON ANDERSON: 4 relevant to my opinion. 5 5 Q. Okay. So I just want to clarify so So -- yeah. I haven't, you know, provided 6 there's no doubt on the record. Dr. Fogg, is there 6 those kinds of details as part of my opinion. 7 any specific station of the 34 where you have an 7 BY MR. JON ANDERSON: 8 8 opinion that a significant amount of MTBE has Q. It may or may not be relevant to your 9 9 migrated off-site? opinion, Dr. Fogg, but I just want to be very, very 10 MS. O'REILLY: Asked and answered. 10 11 Argumentative. Abusive. 11 Is there any identifiable station where you THE WITNESS: Again, I've answered. 12 have formed the opinion that MTBE has migrated 12 13 BY MR. JON ANDERSON: 13 14 MS. O'REILLY: Asked and answered. 14 Q. You've done a lot of things, but you 15 haven't given me a "yes" or "no" to that question. 15 MR. JON ANDERSON: It's really important 16 MS. O'REILLY: Objection. Misstates -that I know that. 16 17 BY MR. JON ANDERSON: 17 MS. O'REILLY: Asked and answer -- asked and 18 Q. Do you have an opinion --18 answered multiple times. Purposefully misstating 19 testimony. Abusive. Argumentative. 19 It's not answerable with a "yes" or 20 "no." 20 21 MS. O'REILLY: Hold on. 21 THE WITNESS: I've answered the question. I 22 22 don't know how else to answer it. BY MR. JON ANDERSON: 23 23 BY MR. JON ANDERSON: Q. Okay. If it's not answerable with a 24 "yes" or "no," then tell me the name of one station 24 How about "no"? 25 where you hold that opinion? 25 It would be misleading for me to

30 (Pages 114 to 117)